

10/550125
PATENT

JC05 Rec'd PCT/PTO 19 SEP 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

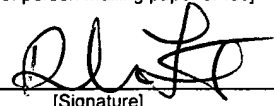
Docket No.: BRAUER

In re Application of:)
)
MICHAEL BRAUER)
)
Int. Appl. No.: PCT/EP2004/002288)
)
Int. Filing Date: March 5, 2004)
)
For: TRACTION MOTOR)

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R:

Express Mail mailing label number: EV 686066201 US
Date of Deposit: September 19, 2005
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450".
ANTONELLA FUSILLO
[Name of person mailing paper or fee]

[Signature]

In accordance with 37 C.F.R. 1.56, applicant wishes to call the attention of attention of the Examiner to the references listed on enclosed form PTO-1449 which were cited in the instant specification, in the International Search Report issued by the European Patent Office with regard to the corresponding International patent application No. PCT/EP2004/002288 and in the German Search Report issued by the German Patent Office with regard to the corresponding German patent application No. 103 12 254.0, respectively. Applicant does not admit that any of the cited documents constitutes prior art against the pending application.

10/550125
JC05 Rec'd PCT/PTO 19 SEP 2005

Copies of these references are submitted herewith along with form PTO-1449. The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

- ☐ This Information Disclosure Statement is filed within three months of the filing date of a national application other than a continued prosecution application under 1.53(d), so that no fee under 37 C.F.R. §1.97 is due.
- ☒ This Information Disclosure Statement is filed within three months of the date of entry of the national stage as set forth in 1.491 in an international application, so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed before the mailing of a first Office Action on the merits, so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed before the mailing of a first Office Action after the filing of a request for continued examination under §1.114, so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed after the issuance of a first office but before issuance of a final action under §1.113, or a notice of allowance under §1.311.
- ☐ This Information Disclosure Statement is submitted after the mailing of a final action or a notice of allowance, but before payment of the issue fee.
- ☐ The undersigned submits the following statement requesting consideration of this statement:
The undersigned hereby states:
 - ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement;
 - ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart

10/550125

JC05 Rec'd FCT/PTO 19 SEP 2005

foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.

- ☐ The fee of \$180.00 set forth in 1.17(p).
- ☐ The Commissioner is hereby authorized to charge the fee as set forth in 1.17(p), and any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.
- ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

In order to satisfy the requirement under 37 C.F.R. §1.98(a)(3) for a concise explanation of the relevance of each item of information, applicant herewith submits a copy of the International Search Report. In addition, applicant notes with respect to any information that is not in English language as follows:

German Utility Model DE 94 18 804 describes an electric drive having a direct voltage electric motor that is mounted in a housing (11) and has motor windings. An electric motor controlling circuit with a switching regulator is connected to the motor windings, is arranged on a printed circuit board (13) and has a grounding surface to connect the printed circuit board (13) to the ground potential. The motor housing (11) is connected to the grounding surface of the printed circuit board (13) by an anti-interference capacitor (C).

With respect to European patent No. EP 0 391 181 an English-language Abstract is enclosed. This reference corresponds to U.S. Pat. No. 5,006,769 to Posedel of which a copy is enclosed.

Publication "Blumenbecker Firmengruppe....." is a dissertation about bearing currents in modern AC drive systems and the damages caused thereby.

German Offenlegungsschrift DE 26 21 069 describes an apparatus provided for testing the shaft/bearing insulation characteristic of a rotary machine, e.g., a turbo-machine, wherein the shaft is normally earthed by means of an

10/550125

earthing brush on the shaft and connected to ground. A first circuit arrangement is provided for breaking the shaft-earthing connection, a second circuit arrangement is provided for applying an increasing test voltage between the shaft bearing which is grounded and the earthing brush while the shaft-earthing connection remains broken, this being in the form of a progressively charged capacitor connected between the shaft bearing and earthing brush, and a third circuit arrangement is provided for measuring the change in voltage across the capacitor resulting from a breakdown in the insulation between the shaft and its bearing during the testing operation. The testing operation is performed periodically and a test cycle is terminated as soon as the test voltage reaches a predetermined maximum value, or there is a breakdown in the insulation between the shaft and its bearing whichever occurs first.

With respect to German Offenlegungsschrift DE 35 11 755 an English-language Abstract is enclosed.

With respect to German Utility Model DE 200 07 714 an English-language Abstract is enclosed.

The above-identified application discloses and claims an invention patentable over this prior art.

Entry of the references above set forth into the file of the above application is believed to be in order and is respectfully requested.

Respectfully submitted

By: 

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Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

INFORMATION DISCLOSURE CITATION

10/550125

Attorney's Docket No. BRAUER	Applicant MICHAEL BRAUER	Int. Appl. No. PCT/EP2004/002288
Int. Filing Date March 5, 2004	Group	Examiner

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date, if appropriate
	2003/0057783	03-27-2003	Melfi			
	5,006,769	04-09-1991	Posedel			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation
	WO 96/16467 A	05-30-1996	PCT			abstract
	JP 03 004855 A	01-10-1991	Japan			abstract
	JP 62 114401 A	05-26-1987	Japan			abstract
	JP 2001 309505	11-02-2001	Japan			abstract
	DE 94 18 804 U1	03-02-1995	Germany			no
	EP 0 391 181 B1	12-07-1994	Europe			no
	DE 26 21 069 A1	11-10-1977	Germany			no
	DE 35 11 755 A1	10-24-1985	Germany			no
	DE 200 07 714 U	10-18-2001	Germany			no

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		MacDonald et al.: "A practical guide to understanding bearing damage related to PWM drives", Pulp and Paper Industry Technical Conference, 1998, Conference Record of 1998 Annual Portland, ME, USA, 21-26 June 1998, New York, USA, IEEE, pages 159-165 XP010287631 ISBN: 0-7803-4785-4
		Brochure Blumenbecker Firmengruppe: Technische Anleitung No. 5 – Lagerströme in modernen AC-Antriebssystemen, ABB Automation Group Ltd. 2001
		Brochure Hübner Technik – Schutz vor Wellenströmen, Hübner Berlin, 06-10-2005

Examiner:

Date considered:

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.